

ABSTRACT OF THE DISCLOSURE

A dimensioning system is provided for a computer generated model of a sheet metal part including a plurality of entities. The dimensioning system comprises a model display, an indicator, a selector, a dimension defining system, and a dimension display. The model display displays a representation of the model on a display screen. The indicator indicates to a user candidate entities of the model, in response to user events, that may be selected. The selector selects two entities of the model, based on an indicated candidate entity. The dimension defining system defines each dimension associated with the selected entities of the model. The dimension display displays dimension information on the display screen based on the defined dimension.

A repositioning system is also provided for a computer generated model of a sheet metal part represented on a display screen. The sheet metal part has associated dimensions displayed along with the sheet metal part on the display screen. The repositioning system comprises a repositioner and a repositioned dimension display. The repositioner repositions the dimension to a desired position relative to the model. The repositioned dimension display displays the dimension at the desired position relative to the model.